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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/729,262	12/01/2000	Yasushi Murakawa	MAT-8067US	6649

7590

04/22/2004

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EXAMINER

TRAN, ELLEN C

ART UNIT

PAPER NUMBER

2134

DATE MAILED: 04/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/729,262

Applicant(s)

MURAKAWA, YASUSHI

Examiner

Ellen C Tran

Art Unit

2134

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 December 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**NORMAN M. WRIGHT**  
**PRIMARY EXAMINER**

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

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**DETAILED ACTION**

1. This action is responsive to communication: original application filed 1 December 2000 with acknowledgement of a foreign priority date of 3 December 1999.
2. Claims 1-18 are currently pending in this application. Claims 1 and 6 are independent claims.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language

4. Claims 1-18 are rejected under 35 U.S.C. 102(e) as being anticipated by Boden et al. U.S. Patent No. 6,615,357 (hereinafter '357).

**As to independent claim 1, "A Virtual Private Network (VPN) communication method employed for a security gateway apparatus connecting between a local area network (LAN) and a wide area network (WAN) including a public network, the communication method comprising the steps of:"** is taught in '357 col. 4, lines 60-67;

**"a) adding a Dynamic Host Configuration Protocol (DHCP) communication option to an Internet Key Exchange (IKE) data, when establishing an IKE communication with a terminal outside the LAN having a dialup connection with the WAN"** is shown in '357 col. 4, lines 16-27;

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**“b) distributing an IP address to the terminal outside the LAN during the IKE communication” and “wherein the gateway apparatus designates an IP address for the outside terminal from a tunneled IP packet” is disclosed in ‘357 col. 4, lines 51-59;**

**“c) establishing a Security Architecture for the Internet Protocol (IPsec) communication that follows the IKE communication” is taught in ‘357 col. 3, lines 40-56.**

**As to dependent 2, “wherein an IP address and a subnet mask address, which have same segments as those of the LAN, are distributed to the outside terminal, thereby the outside terminal can be virtually regarded as a terminal on the LAN” is shown in ‘357 col. 3, lines 45-56.**

**As to dependent claim 3, “wherein the outside terminal is provided, during the IKE communication, with a private IP address that is used on the LAN, in a case that the LAN is configured with private IP addresses, whereby the outside terminal is allowed to access to a terminal on the LAN” is disclosed in ‘357 col. 4, lines 51-59.**

**As to dependent claim 4, “wherein an encryption key and an authentication key are exchanged with a public key cryptosystem during the IKE communication” is taught in ‘357 col. 5, line 66 through col. 6, line 9 (“encryption key and an authentication key” same as “SA pair”).**

**As to dependent claim 5, “wherein the DHCP communication option contains an IP address and a subnet mask” is shown in ‘357 col. 4, lines 16-26 (“option” same as “check box”) (“subnet mask” same as “responder IDci and IDcr NAT flags”).**

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**As to dependent claims 11 and 12**, these claims are substantially similar to above claim 4 and are rejected along the same rationale.

**As to dependent claims 13 and 14**, these claims are substantially similar to above claim 5 and are rejected along the same rationale.

**As to independent claim 6**, this claim is directed to the security gateway apparatus of the method of claim 1 and is rejected along the same rationale.

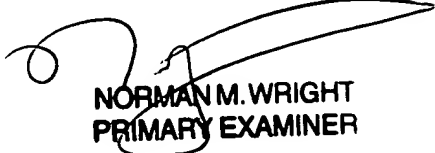
**As to dependent claims 7-10 and 15-18**, these claims contain substantially similar subject matter as claims 2-5 and 11-14 and are rejected along the same rationale.

***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ellen C Tran whose telephone number is (703) 305-8917. The examiner can normally be reached on 6:30 am to 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory A Morse can be reached on (703) 308-4789. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-5484.

  
NORMAN M. WRIGHT  
PRIMARY EXAMINER

Ellen Tran,  
Patent Examiner  
Technology Center 2134  
16 April 2004